The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A receiver comprising: a demodulation means for demodulating a PSK modulated signal of digital signals modulated by a plurality of different PSK modulation ~~method~~ methods (e.g., BPSK, QPSK, 8PSK) having different numbers of phases and multiplexed in time, by using carriers (f_{c1} and f_{c2}) reproduced by carrier reproduction means, and outputting I and Q symbol stream data (I(8), Q(8)); a reception signal phase rotation angle detection means for detecting a phase rotation angle relative to a transmission side of the I and Q symbol stream data output from said demodulation means; and an inverse phase rotation means (7) for inversely rotating a phase of the I and Q symbol stream data output from said demodulation means by a phase rotation angle (OR(3)) detected by said reception signal phase rotation angle detection means, thereby performing absolute phasing, wherein the carrier reproduction means of said reproduction means has phase error tables (13, 14-1, 15-1) for respective ones of the plurality of PSK modulation methods, the tables storing carrier phase error data for various demodulated I and Q symbol stream data pairs, and while said demodulation means demodulates a reception signal corresponding to [[each]] a specific one of the PSK modulation methods, phase error data ($\Delta\Phi(8)$) corresponding to the demodulated I and Q symbol stream data is read from the phase error table corresponding to the specific modulation method to correct the phase of the carriers, the receiver being characterized in that:

while said demodulation means (1C, 1D) demodulates the reception signal corresponding to [[each]] the specific one of the PSK modulation methods, the carrier reproduction means (10C, 10D) reads the phase error data corresponding to demodulated I and Q symbol stream data (I'(8), Q'(8)) after absolute phasing output

from said inverse phase rotation means (7) from the phase error table corresponding to the specific modulation method to correct the phase of the carriers using the read phase error data.

2. (Currently Amended) A receiver comprising: a demodulation means for demodulating a PSK modulated signal of digital signals modulated by a plurality of different PSK modulation [[method]] methods (e.g., BPSK, QPSK, 8PSK) having different numbers of phases and multiplexed in time, by using carriers (f_{c1} and f_{c2}) reproduced by carrier reproduction means, and outputting I and Q symbol stream data (I(8), Q(8)); a reception signal phase rotation angle detection means for detecting a phase rotation angle relative to a transmission side of the I and Q symbol stream data output from said demodulation means; and an inverse phase rotation means (7) for inversely rotating a phase of the I and Q symbol stream data output from said demodulation means by a phase rotation angle (OR(3)) detected by said reception signal phase rotation angle detection means, thereby performing absolute phasing, wherein the carrier reproduction means of said reproduction means has phase error tables (13, 14-1, 15-1) for respective ones of the plurality of PSK modulation methods, the tables storing carrier phase error data for various demodulated I and Q symbol stream data pairs, and while said demodulation means demodulates a reception signal corresponding to [[each]] a specific one of the PSK modulation methods, phase error data ($\Delta\Phi(8)$) corresponding to the demodulated I and Q symbol stream data is read from the phase error table corresponding to the specific modulation method to correct the phase of the carriers, the receiver being characterized in that:

while said demodulation means (1E, 1F) demodulates the reception signal corresponding to [[each]] the specific one of the PSK modulation methods, the carrier ~~reproductions~~ reproduction means (10C, 10D) reads the phase error data corresponding to demodulated I and Q symbol stream data (I'(8), Q'(8)) after absolute phasing output from said inverse phase rotation means (7) and the phase error data

corresponding to a selected one of either the I or Q symbol stream data (I(8) or (Q(8)) output from said demodulation means, from the phase error table corresponding to the specific modulation method to correct the phase of the carriers using the read phase error data.